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(54) **OPTICAL DISK, OPTICAL DISK DRIVE APPARATUS, AND OPTICAL DISK TRACKING METHOD**

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Related U.S. Application Data

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(57)

ABSTRACT

The invention provides an optical disk medium having a recording spiral formed by connecting groove tracks and land tracks alternately, and permitting detection of a connecting point between a groove track and a land track reliably is provided, and a method of tracking the optical disk medium and an optical disk drive apparatus for driving the optical disk medium. One part of an identification signal area is shifted by a predetermined distance in one radial direction from the center of a groove, while another part of the identification signal area is shifted by the same distance in the opposite radial direction from the center of the groove. A land/groove polarity of a sector is determined by the polarity of a tracking error signal and the order of the polarities during reproduction of an identification signal.

(30) **Foreign Application Priority Data**

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(51) **Int. Cl.**⁷ **G11B 7/00**

(52) **U.S. Cl.** **369/59.18; 369/59.1; 369/124.15**

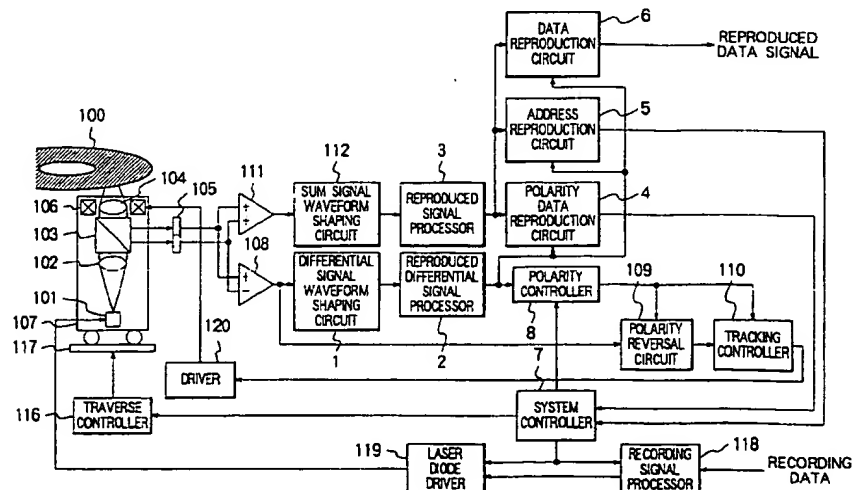
(58) **Field of Search** 369/59.1, 59.15, 369/59.17, 59.18, 53.1, 47.1, 47.35, 124.01, 124.05, 124.08, 124.15

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4 Claims, 18 Drawing Sheets



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